

IN THE CLAIMS:

E' 1. (Three Times Amended) A recombinant nucleotide sequence enabling a G2/M cell cycle-dependent initiation of translation of mRNA, wherein said recombinant nucleotide sequence is an internal ribosomal entry site sequence which initiates mRNA translation in a eukaryotic cell. F

E2 4. (Three Times Amended) A recombinant nucleic acid molecule encoding at least a functional part of a eukaryotic internal ribosomal entry site, which said eukaryotic internal ribosomal entry site, in a mitotic PITSLRE protein kinase gene, comprises SEQ ID NO: 1 or a functional part of SEQ ID NO: 1 and wherein said eukaryotic internal ribosomal entry site initiates mRNA translation in a eukaryotic cell.

5. (Amended) The recombinant nucleic acid molecule of claim 4 wherein said eukaryotic internal ribosomal entry site is a functional part of SEQ ID NO: 1, said functional part of SEQ ID NO: 1 comprising SEQ ID NO: 7.

6. (Amended) The recombinant nucleic acid molecule of claim 4 further comprising at least a part of SEQ ID NO: 1 or a nucleotide sequence at least substantially homologous to SEQ ID NO: 1. F

7. (Twice Amended) The recombinant nucleic acid molecule of claim 4, wherein said recombinant nucleic acid molecule comprises at least a part of SEQ ID NO: 1 sufficient to encode a functional part of a eukaryotic internal ribosomal entry site, a sequence hybridizing under conventional conditions to at least a part of SEQ ID NO: 1 sufficient to encode said functional part of said eukaryotic internal ribosomal entry site, or a complementary sequence of SEQ ID NO: 1, said complementary sequence encoding said functional part of said eukaryotic internal ribosomal entry site.

11. (Four Times Amended) A chimeric gene comprising:

- E3
- (a) said recombinant nucleotide sequence of claim 1, and
 - (b) one or more control sequences operably linked to said recombinant nucleotide sequence.

12. (Four Times Amended) A vector comprising the recombinant nucleotide sequence of claim 1.

E4

14. (Four Times Amended) A eukaryotic host cell comprising the recombinant nucleotide sequence of claim 1.

E5

25. (Amended) A recombinant nucleic acid molecule selected from the group consisting essentially of SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, or combinations thereof, said recombinant nucleic acid molecule initiating the translation of mRNA in a eukaryotic cell.

27. (Amended) A chimeric gene comprising:

- E6
- a) the recombinant nucleic acid molecule of claim 25, and
 - b) one or more control sequences operably linked to said recombinant nucleic acid molecule.

28. (Amended) A vector comprising the recombinant nucleic acid molecule of claim 25.

Please cancel claims 16, 17 and 26 without prejudice or disclaimer.